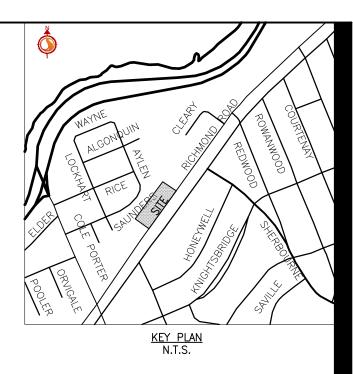


ORIGINAL SHEET - ARCH D





100-YEAR ROOF DRAIN SCHEDULE									
AREA (ha)	HEAD (m)	RELEASE RATE (L/s)	REQUIRED VOLUME (m3)	AVAILABLE VOLUME (m3)					
0.019	0.148	1.25	6.3	6.5					
0.013	0.140	1.20	3.7	4.5					
0.013	0.140	1.20	3.7	4.4					
0.015	0.144	1.22	4.7	5.2					
0.017	0.146	1.24	5.4	5.8					
0.020	0.150	1.26	7.2	7.2					
0.009	0.131	1.14	2.0	3.0					
0.009	0.131	1.14	2.0	3.0					
0.004	0.111	1.01	0.6	1.4					
0.12		10.66	35.60	41.00					

EX. DCB

 LINV=63.74]
 APPROX. BOTTOM

 - EX. 3.4m - 375mmØ CSP @ 2.0%
 OF EX. DITCH

AREA DRAIN 201 T/G=65.30 TO BE CONNECTED TO

INTERNAL PLUMBING MAX RELEASE RATE=49.1L/

CONNECT TO EXISTING

(EXTERNAL STC750)

375mmØ CSP

T/G=65.45

SW INV=64.00 NW INV=63.81

INTERNAL PLUMBING TO CONNECT TO STM100. CONNECTION SIZE AND LOCATION TO BE CONFIRMED BY THE MECHANICAL CONSULTANT.

STM 100

AREA=124.9m²

DEPTH=0.14m VOLUME=5.8m³ ELEV=65.44

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DERRICK MOODIE MANAGER PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

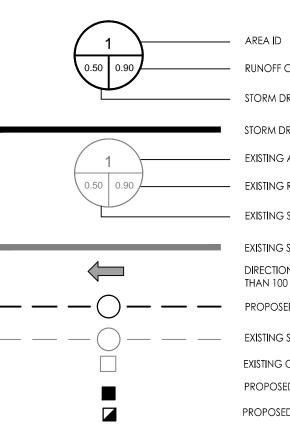


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Legend



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— STORM DRAINAGE AREA ha.

STORM DRAINAGE BOUNDARY **EXISTING AREA ID**

EXISTING RUNOFF COEFFICIENT

EXISTING STORM DRAINAGE AREA ha.

EXISTING STORM DRAINAGE BOUNDARY DIRECTION OF OVERLAND FLOW GREATER

PROPOSED STORM SEWER

THAN 100 YR

EXISTING STORM SEWER

EXISTING CATCHBASIN PROPOSED CATCH BASIN

PROPOSED AREA DRAIN

maximum ponding limits

INSULATION AS PER CITY STD W22

PROPOSED ROOF DRAINS. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

Notes

INTERNAL PLUMBING AND SUMP PUMP TO BE DESIGNED BY THE MECHANICAL CONSULTANT.

- ESTIMATED 100-YEAR DRAINAGE FROM EXISTING DEVELOPMENT (APPROX. 61 L/S) TO BE PUMPED TO OUTLET DURING CONSTRUCTION.
- RUNOFF FROM PROPOSED DEVELOPMENT AREAS TO BE TREATED THROUGH AN OIL/GRIT SEPARATOR SIZED TO PROVIDE 80% TSS REMOVAL FOR A DRAINAGE AREA OF 0.48 HA AT 83% IMPERVIOUSNESS.
- TARGET PEAK FLOWS OF 396.1L/s AS PER 40 CLEARY AVENUE STORMWATER MANAGEMENT REPORT DATED JANUARY 2007.

6	REVISED AS PER CITY COMMENTS		WAJ	SGG	18.10.10
5	REVISED AS PER CITY COMMENTS		WAJ	SGG	18.08.28
4	ISSUE FOR FOUNDATION PERMIT		SL	SGG	18.07.13
3	REVISED AS PER CITY COMMENTS		WAJ	SGG	18.06.29
2	REVISED AS PER CITY COMMENTS		WAJ	SGG	18.03.29
1	ISSUED FOR FIRST SUBMISSION		WAJ	SGG	17.10.05
Re	evision		Ву	Appd.	YY.MM.DD
File	Name: 160401329-DB	WAJ	SGG	WAJ	17.06.14
		Dwn.	Chkd.	Dsgn.	YY.MM.DD
					YY.MM.DD

Permit-Seal

Client/Project

Title

HOMESTEAD HOMESTEAD LAND HOLDINGS LIMITED THE KENSINGTON

851 RICHMOND ROAD OTTAWA, ON

STORM DRAINAGE PLAN

Project No. 160401329	Scale _{0 2.5} 1:250	7.5 12.5m	7-0135
Drawing No.	Sheet	Revision	12-17
SD-1	5of 6	6 17519	D07-12-1